

Report No.: RSZ150804505-10

Test Time: 2015-08-07 13:16:08

Luminaire Property

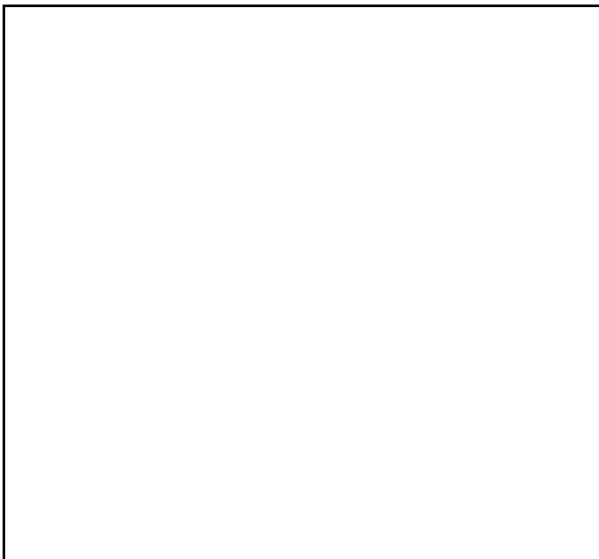
Luminaire Manufacturer: P.Q.L., Inc.
Luminaire Description: 83216-PC
Lumens per Lamp: 1688.8 lm
Luminous Width (mm): 0 mm
Power: 17.40 W

Number of Lamps: 1
Luminous Length (mm): 0 mm
Luminous Height (mm): 0 mm

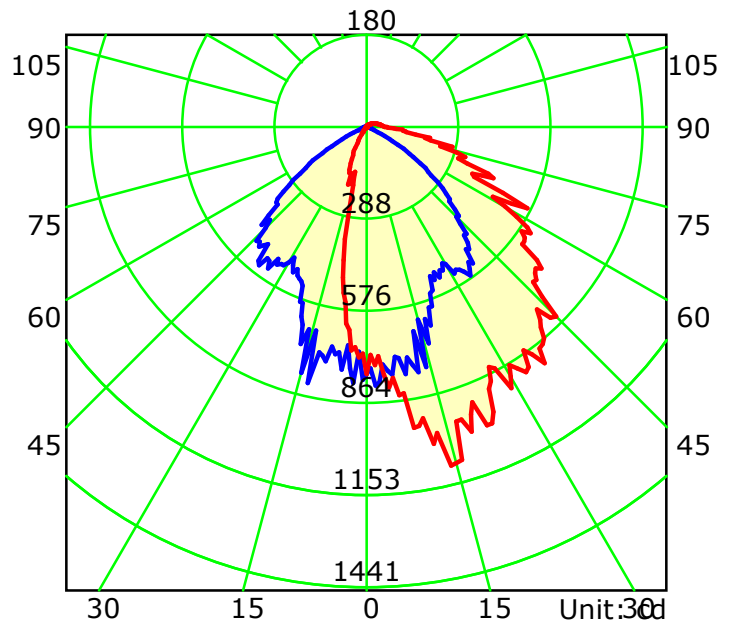
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1688.8 lm
Measurement Flux: 1688.3 lm	Efficiency: 99.97%
Downward Ratio: 97.21%	Upward Ratio: 2.76%
Horizontal Diffuse Angle(10%,25%,50%,75%): H125.4,H113.6,H92.8,H38.1	
Vertical Diffuse Angle(10%,25%,50%,75%): V114.2,V90,V73.8,V51.8	
Luminaire Efficacy Rating (LER): 97.08	Central Intensity: 773.49 cd
Max. Intensity: 1092.83 cd	Pos of Max. Intensity: H90 V14
S/MH(C0/C180): 0.91	S/MH(C90/C270): 0.92

Picture Of Luminaire



Luminous Intensity Distribution Curve



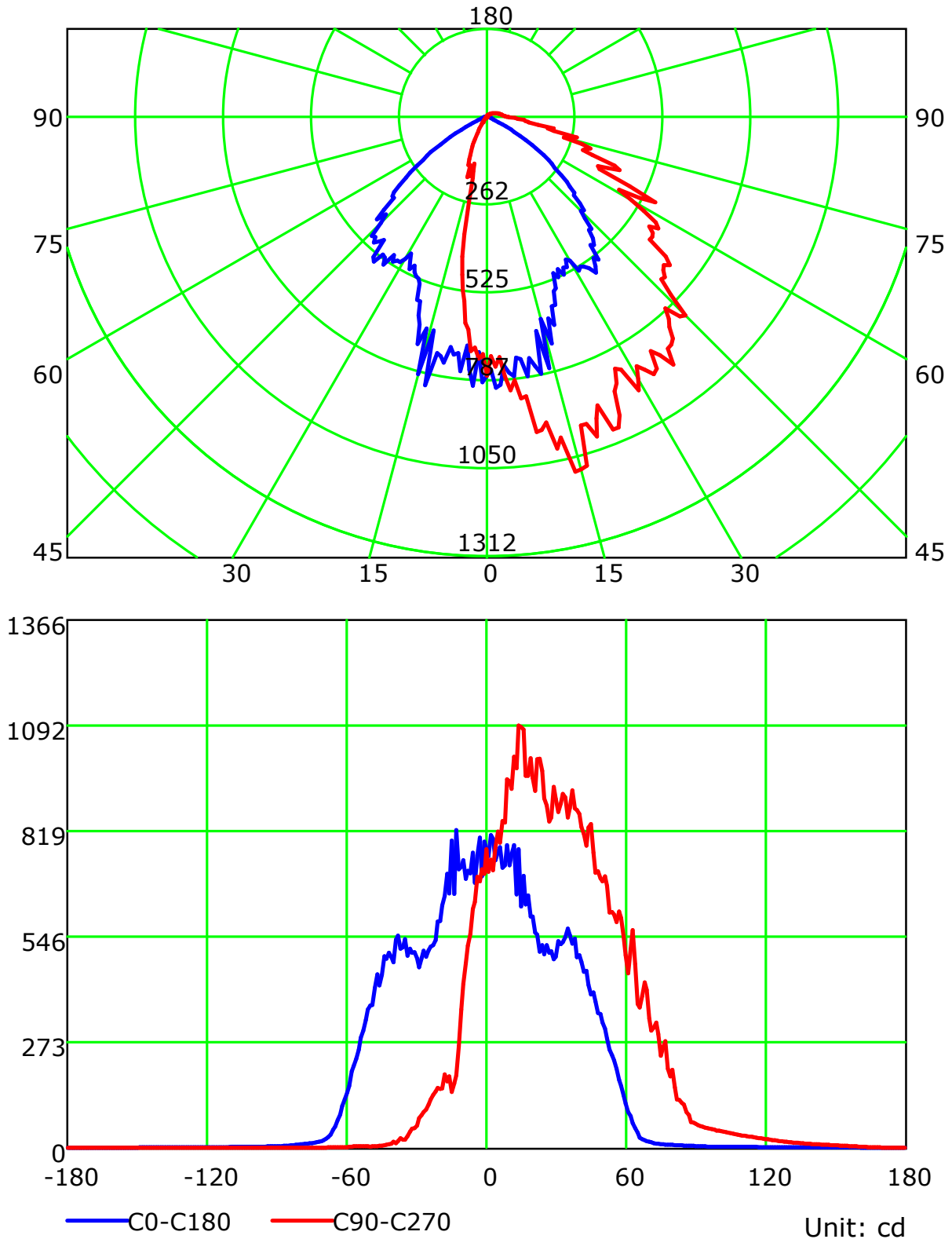
Average Diffuse Angle(50%): 81.5°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5
Test Lab: BACL
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device:
Distance:
Humidity:
Inspector:

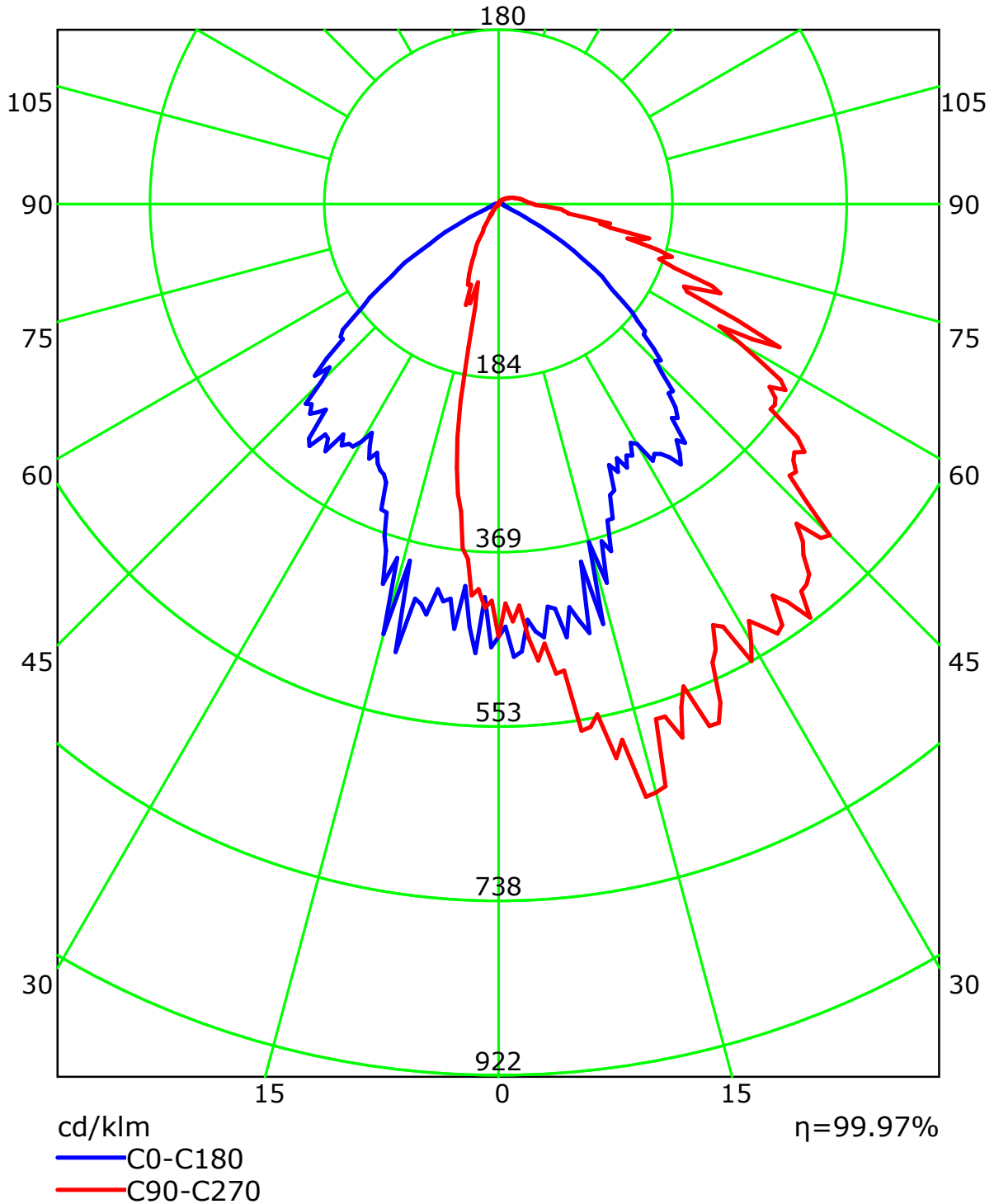
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5
Test Lab: BACL
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device:
Distance:
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



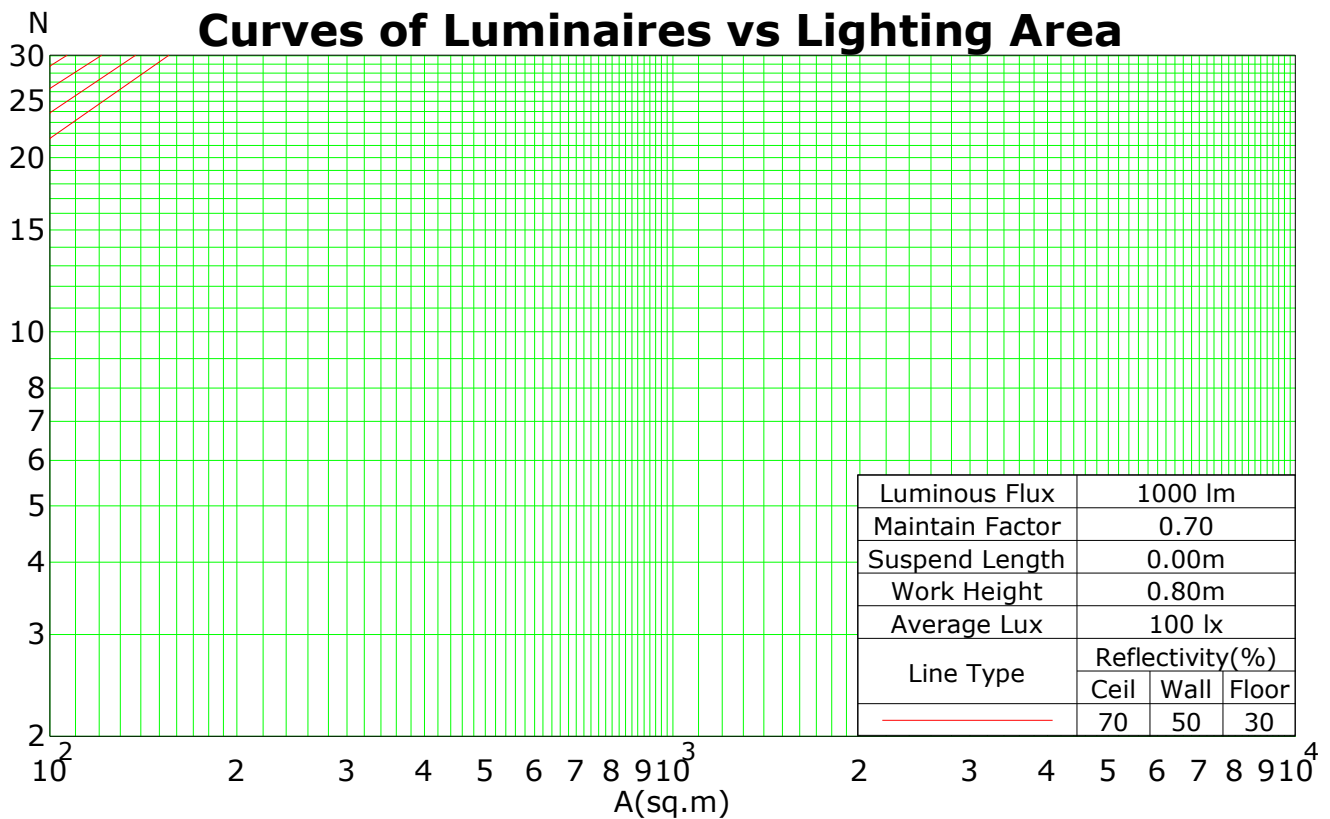
C Plane (°):0.0-360.0: 22.5
Test Lab: BACL
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device:
Distance:
Humidity:
Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	118	118	118	118	115	115	115	115	110	110	110	104	104	104	99	99	99	97
1	109	104	100	97	106	102	98	95	97	94	91	93	90	88	89	87	85	83
2	100	92	85	80	97	90	84	79	86	81	77	82	78	75	79	75	73	70
3	91	81	74	68	89	80	73	67	76	70	65	73	68	64	70	66	62	60
4	84	73	64	58	82	71	63	57	68	62	56	66	60	55	63	58	54	52
5	78	65	57	50	75	64	56	50	62	55	49	59	53	48	57	52	48	46
6	72	59	51	44	70	58	50	44	56	49	44	54	48	43	52	47	42	40
7	67	54	45	39	65	53	45	39	51	44	39	49	43	38	48	42	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	44	38	34	32
9	58	45	37	32	57	45	37	32	43	36	32	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	32	28	27

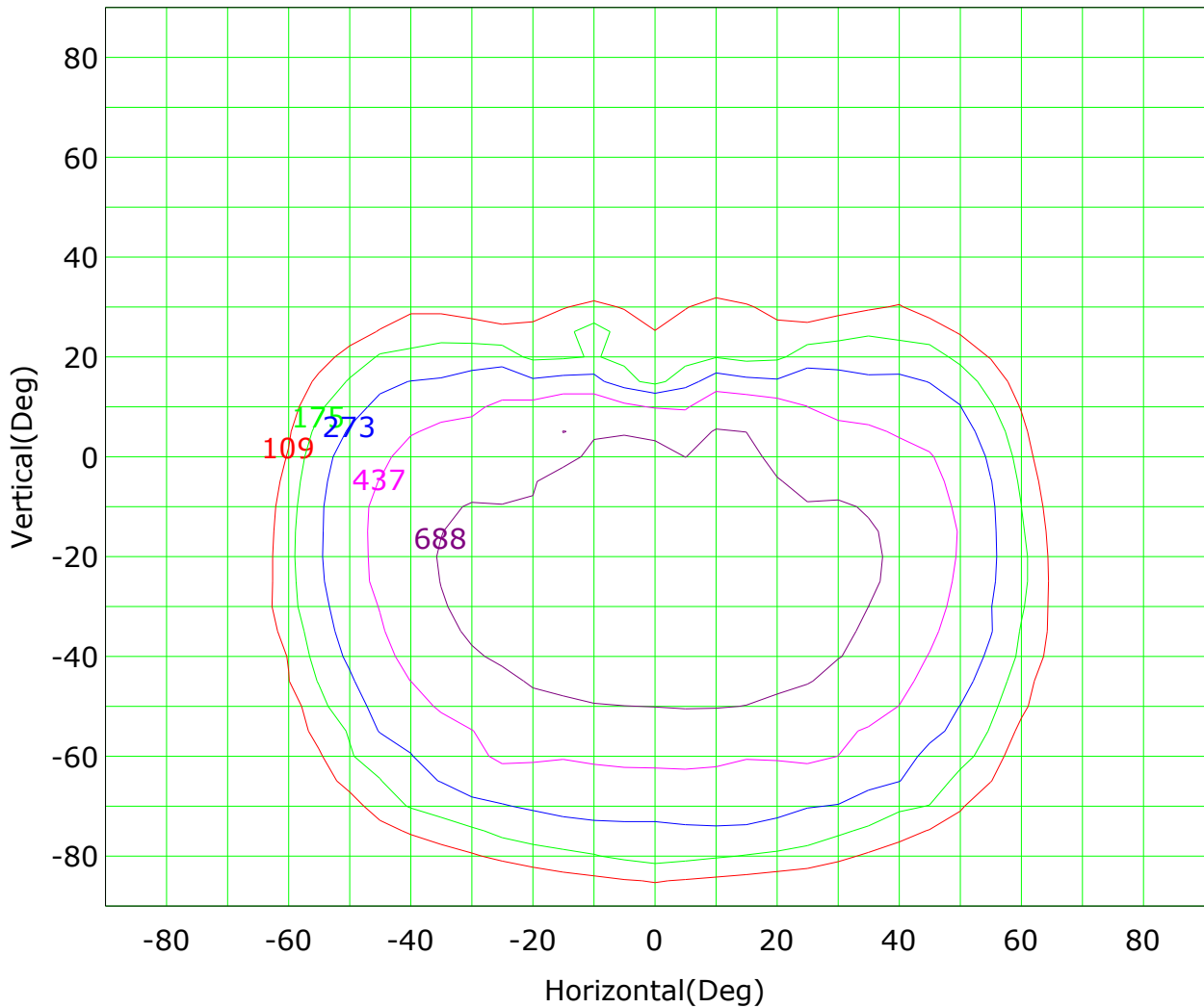
Spacing Criteria (0-180): 0.91
 Spacing Criteria (90-270): 0.92
 Spacing Criteria (Diagonal): 1.19



C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Isocandela (rectangle)



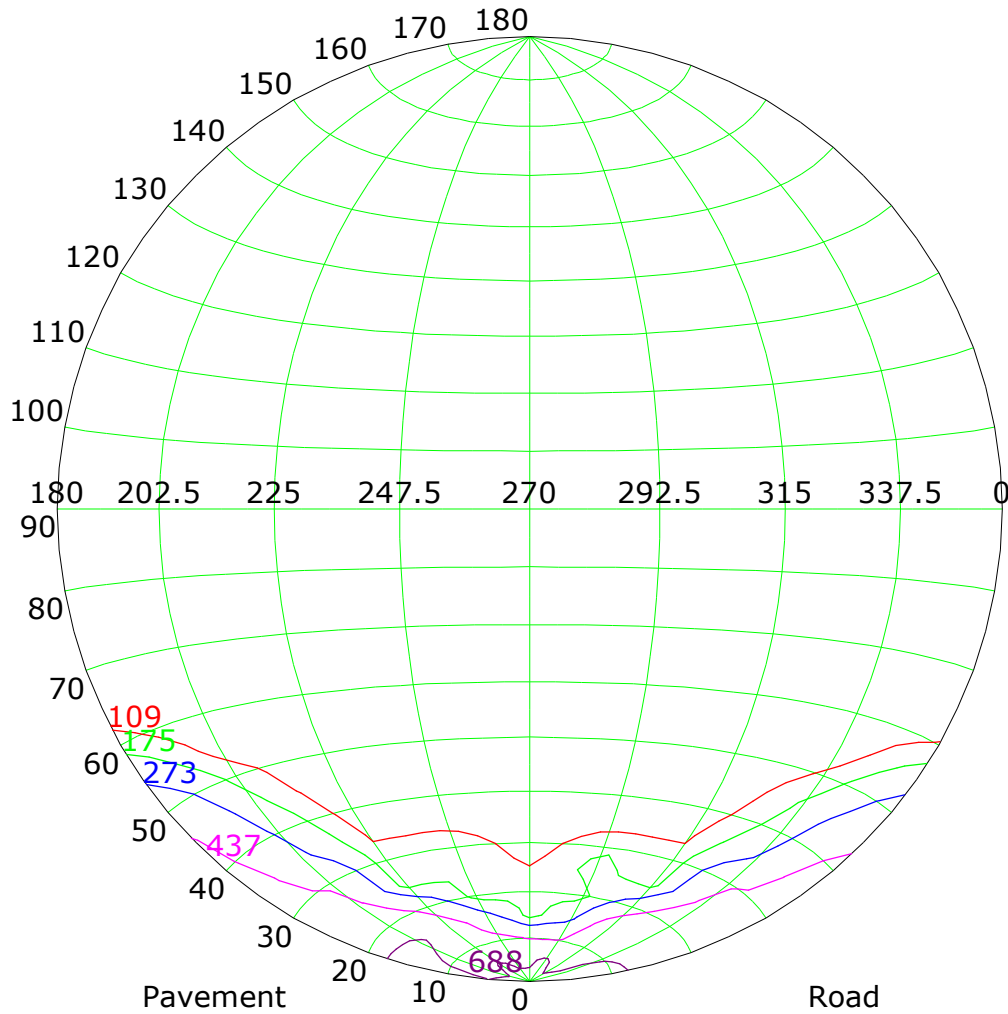
Imax (100%): 1093 cd

(10%): 109 cd	(16%): 175 cd
(25%): 273 cd	(40%): 437 cd
(63%): 688 cd	(100%): 1093 cd

C Plane (°):0.0-360.0: 22.5
Test Lab: BACL
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device:
Distance:
Humidity:
Inspector:

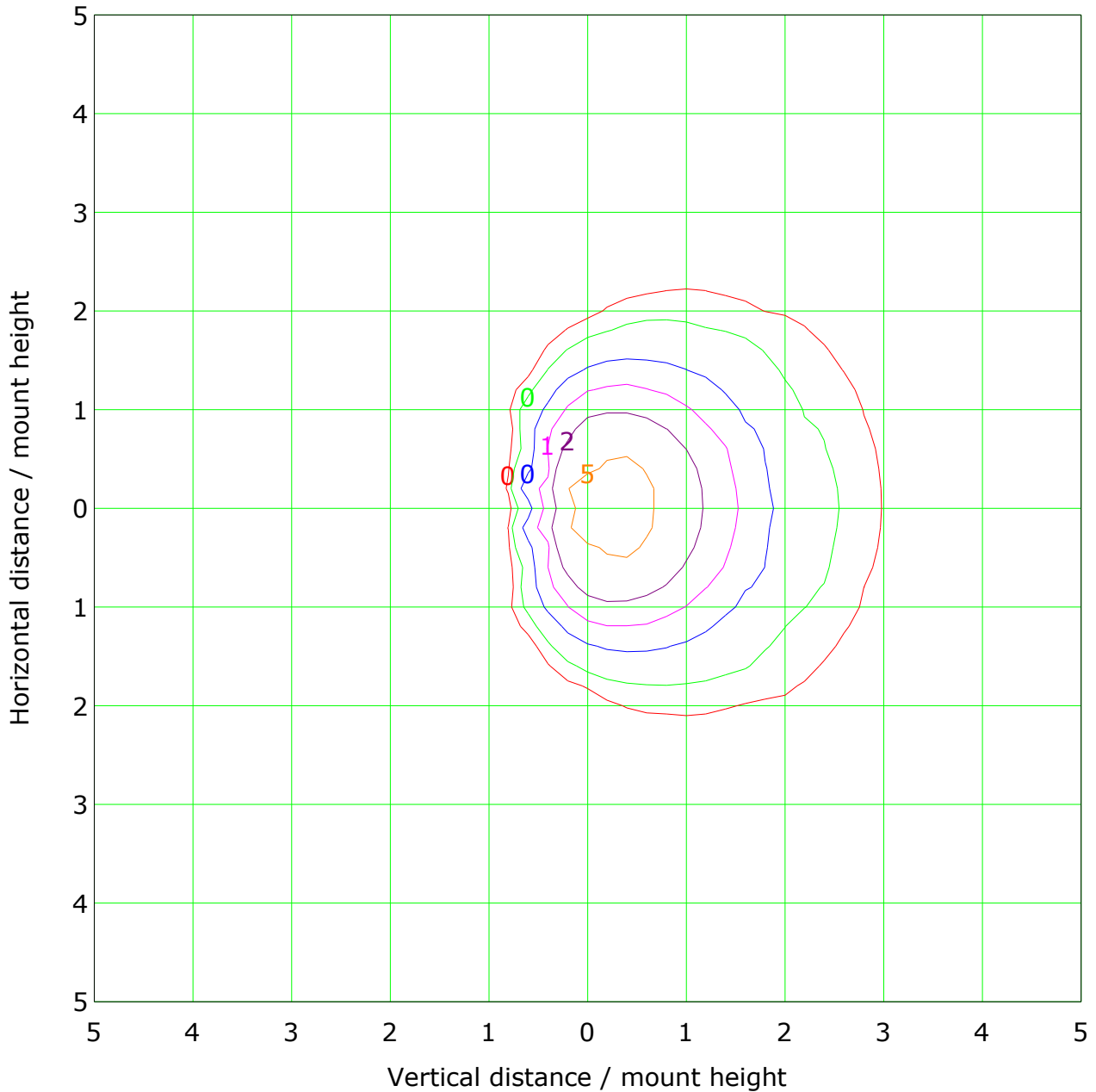
Isocandela (sphere)



Imax (100%): 1093 cd

— (10%): 109 cd	— (16%): 175 cd
— (25%): 273 cd	— (40%): 437 cd
— (63%): 688 cd	— (100%): 1093 cd

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 10.0 lx

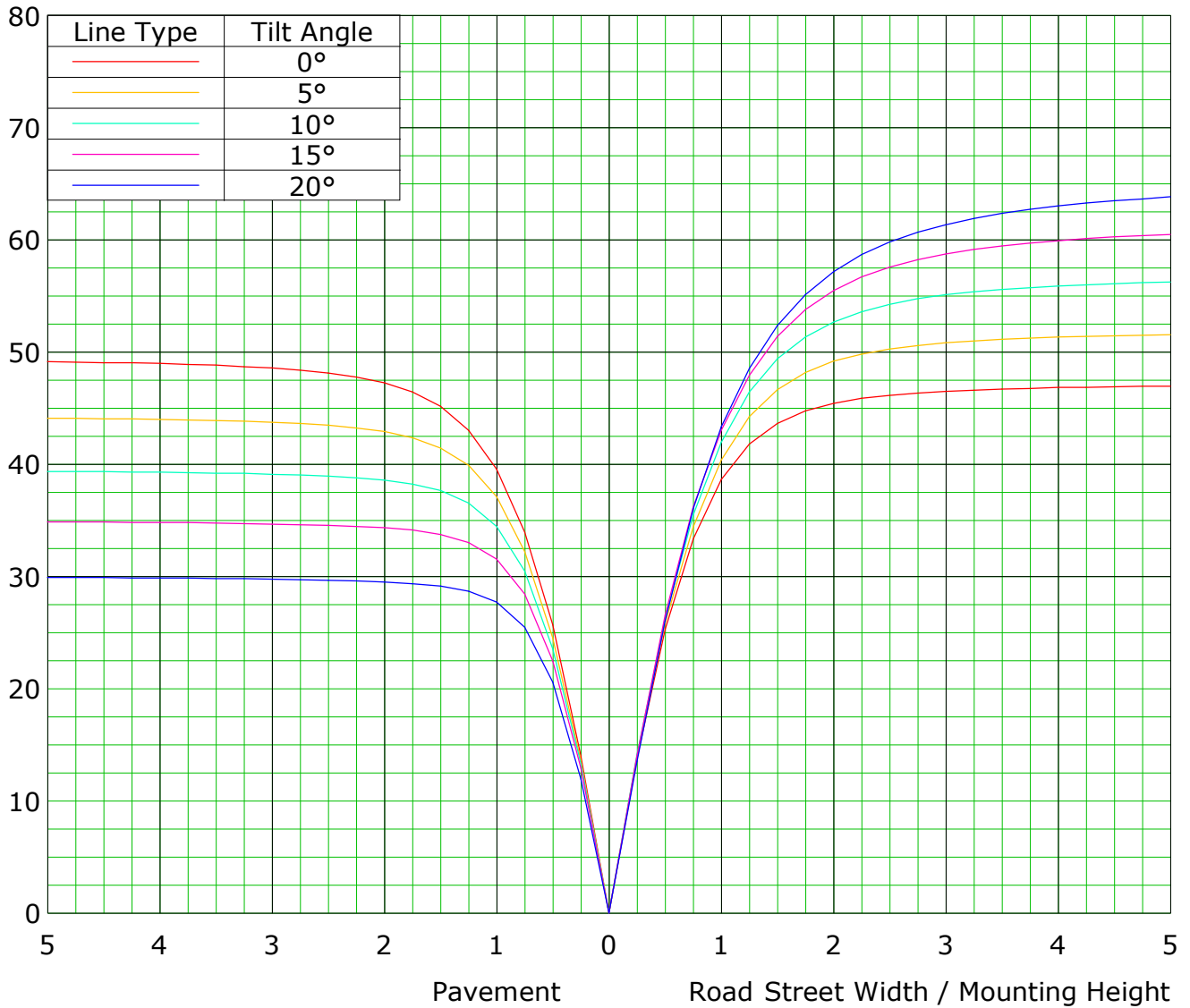
(1%): 0.1 lx	(2%): 0.2 lx
(5%): 0.5 lx	(10%): 1.0 lx
(20%): 2.0 lx	(50%): 5.0 lx
(100%): 10.0 lx	

C Plane (°):0.0-360.0: 22.5
Test Lab: BACL
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device:
Distance:
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)



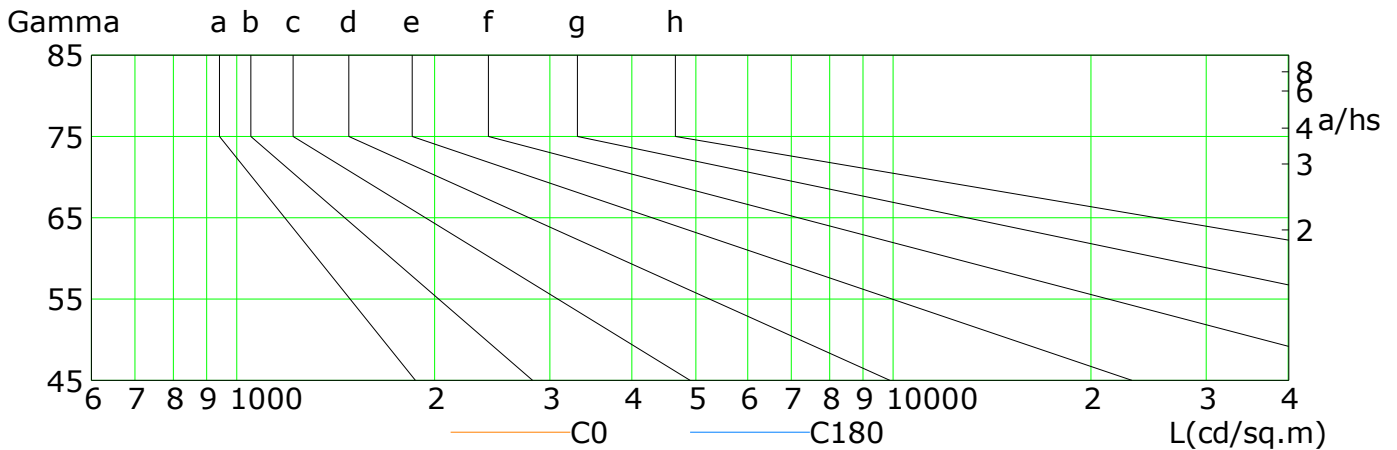
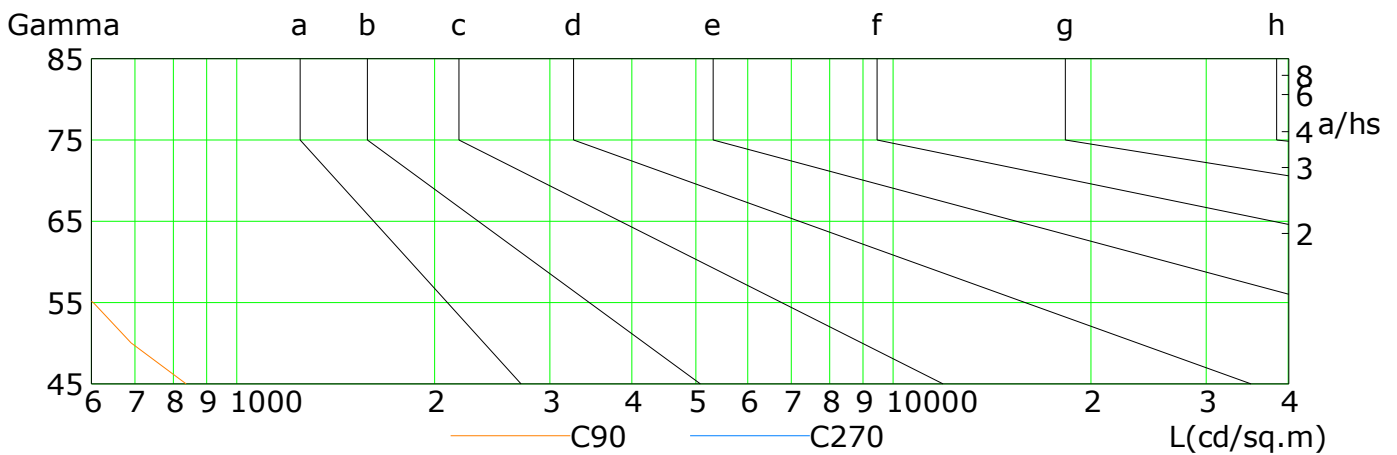
C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h

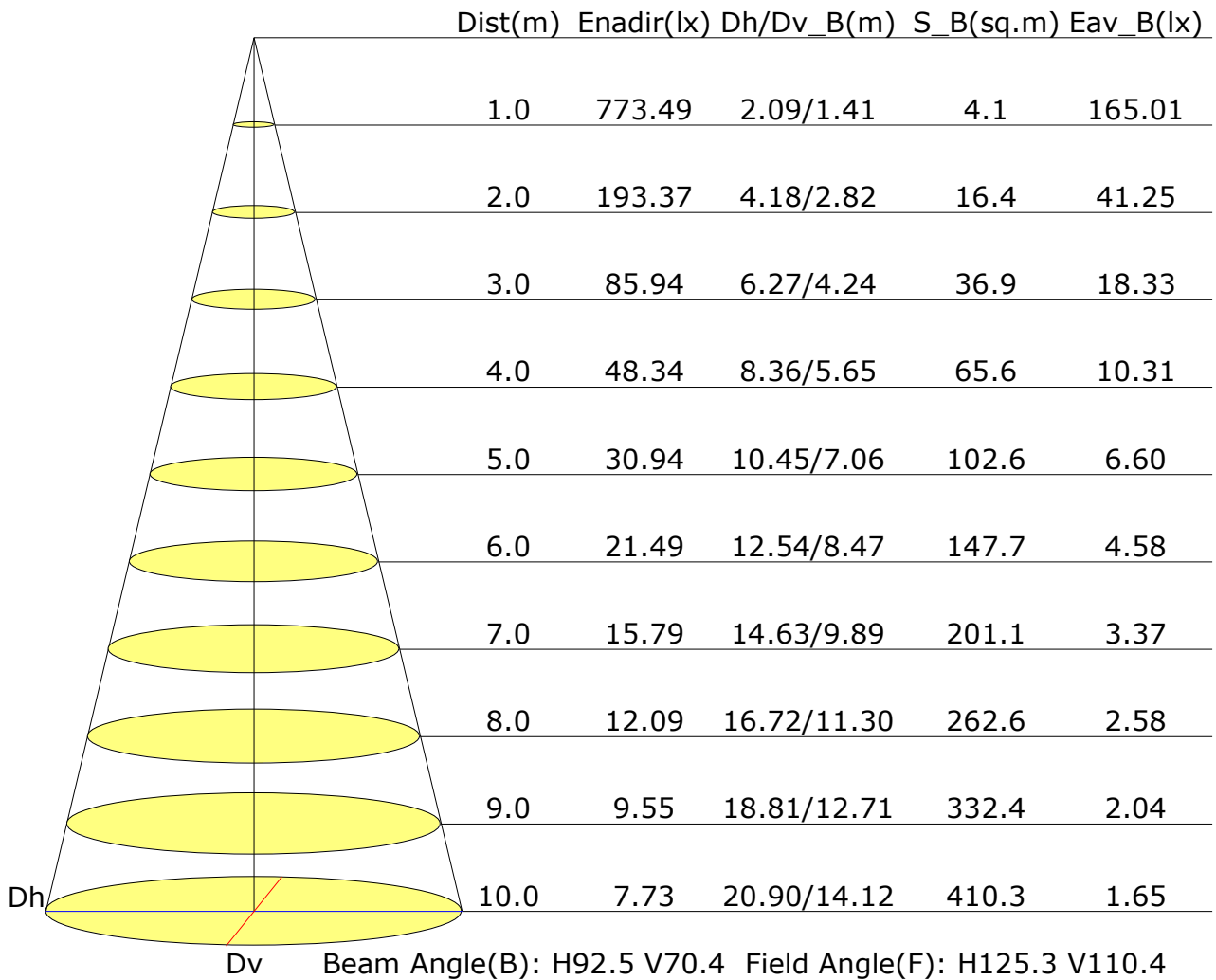


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	397	325	227	115	39	16	10	8	6
C90	838	691	605	499	372	335	239	203	113
C180	448	369	255	144	56	21	13	9	6
C270	6	4	4	2	2	1	1	1	1

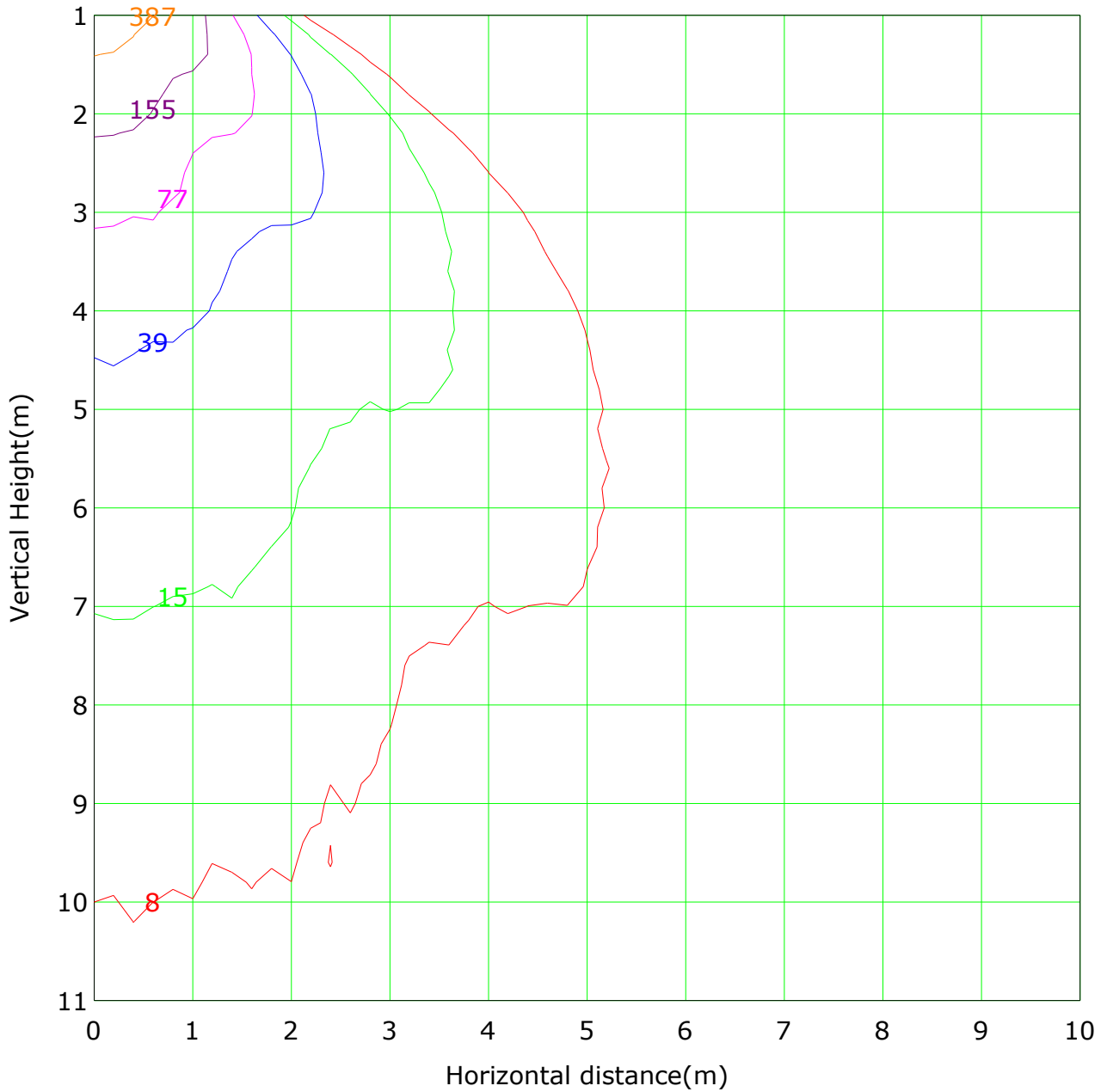
C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 773.5 lx
— (1%): 7.7 lx	— (2%): 15.5 lx	
— (5%): 38.7 lx	— (10%): 77.3 lx	
— (20%): 154.7 lx	— (50%): 386.7 lx	
— (100%): 773.5 lx		

Tel:
Fax:

Area Flux Table

Unit: lm

		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Flux(E)	Flux(T)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Flux(E)	Flux(T)
0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1642
0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	39.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	85.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	129.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	164.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	199.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	210.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	207.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	193.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	159.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	122.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	75.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	32.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576
0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1576

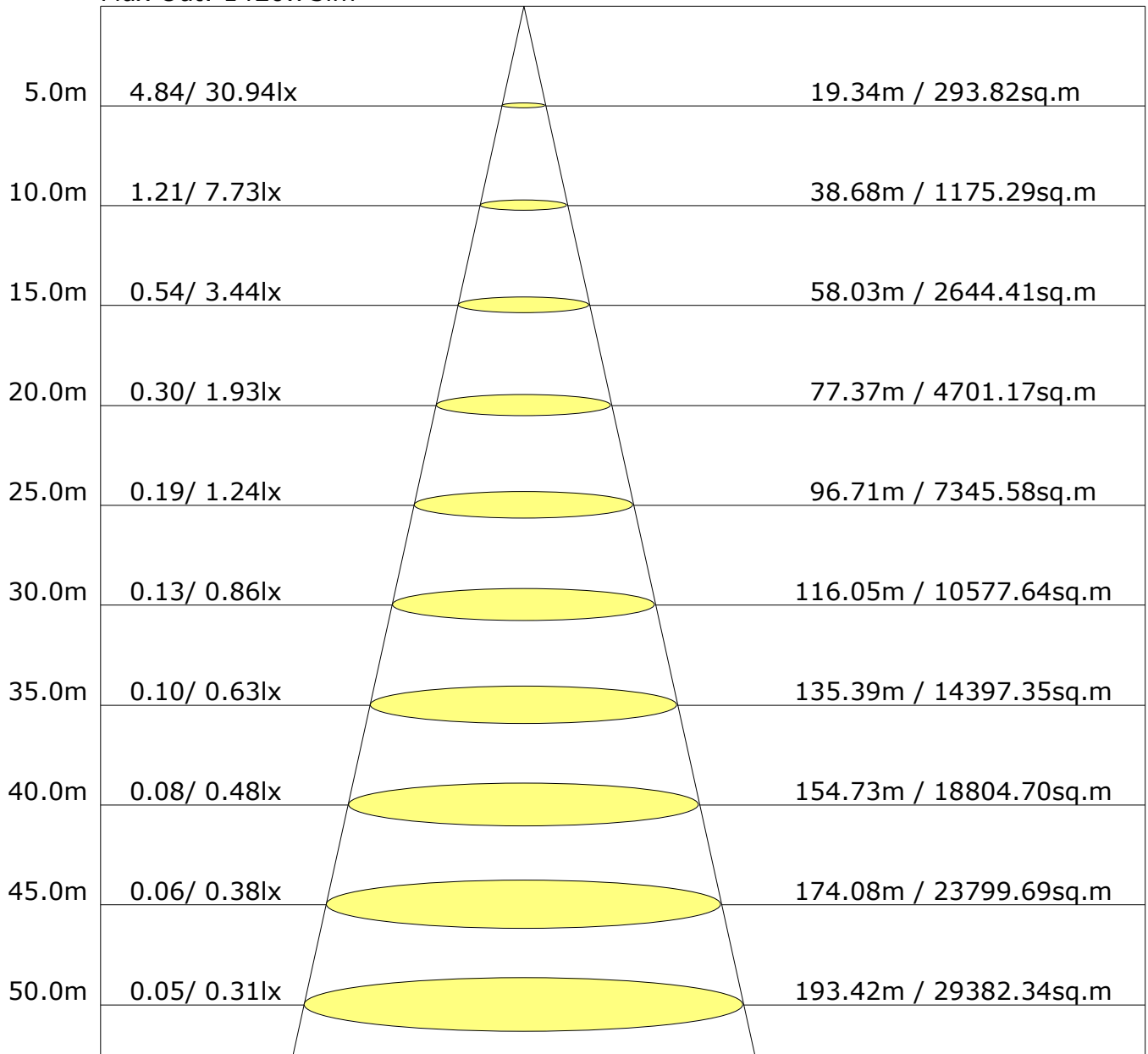
Horizontal plane

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

The Average Illuminance Effective Figure

Flux Out: 1420.73lm



Height

Avg./Nadir. E

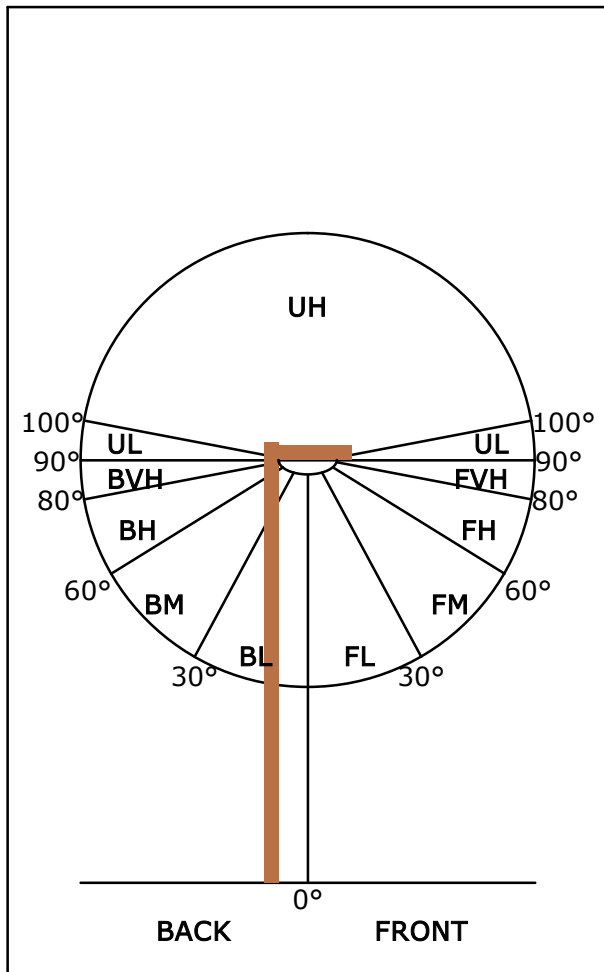
Beam Angle: 125.3°

Diameter / Area

C Plane (°): 0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



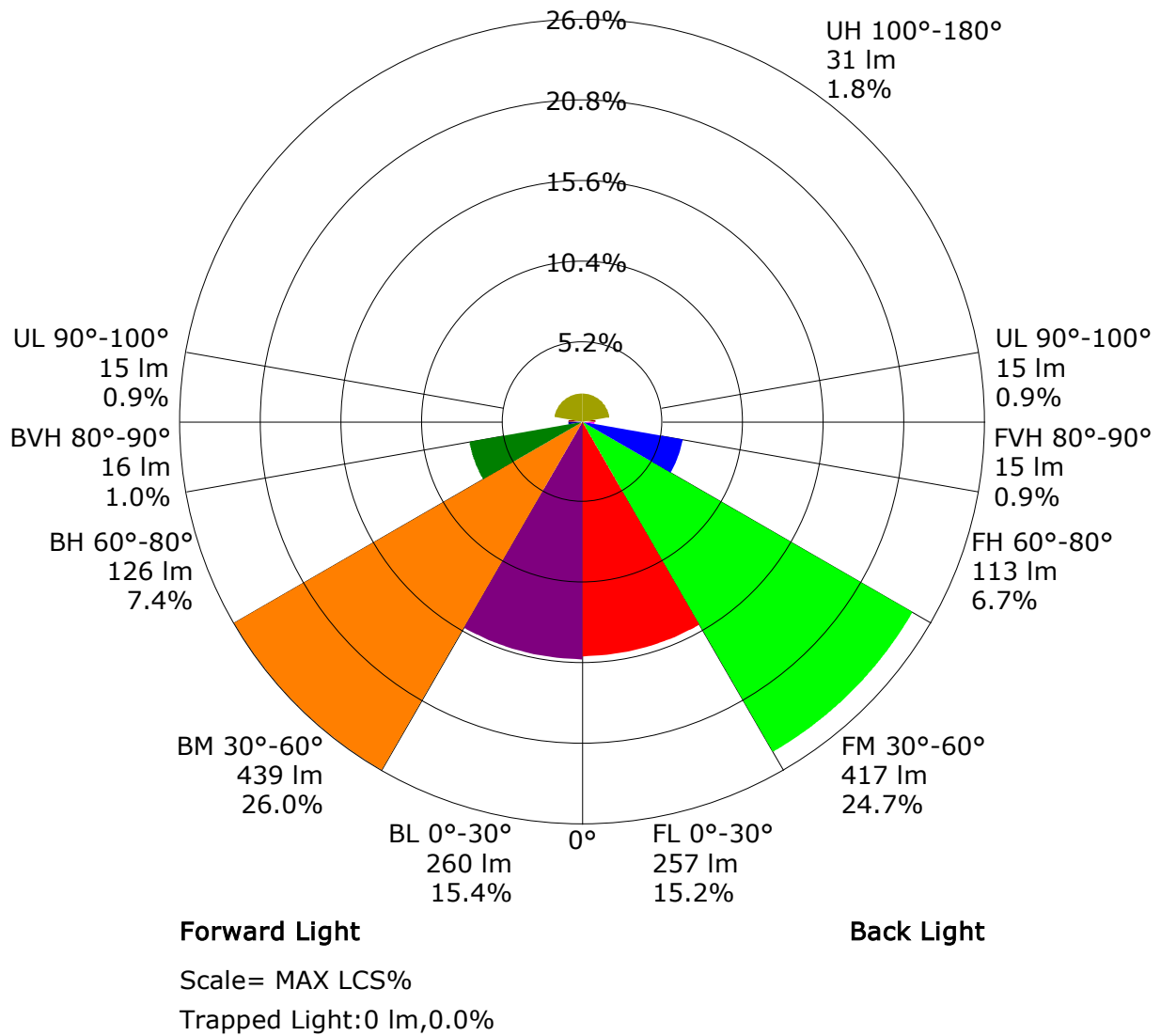
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	801	47.5
FL (0°-30°)	257	15.2
FM (30°-60°)	417	24.7
FH (60°-80°)	113	6.7
FVH (80°-90°)	15	0.9
BACK LIGHT	840	49.8
BL (0°-30°)	260	15.4
BM (30°-60°)	439	26.0
BH (60°-80°)	126	7.4
BVH (80°-90°)	16	1.0
UP LIGHT	47	2.8
UL (90°-100°)	15	0.9
UH (100°-180°)	31	1.8
TRAPPED LIGHT	0	0.0

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U2 G1

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

LCS Graph



Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.60	0.70	0.77	0.82	0.88	0.93	0.96	1.00	1.03
	0.30		0.52	0.63	0.70	0.75	0.83	0.88	0.92	0.96	1.00
	0.20		0.47	0.57	0.65	0.70	0.78	0.84	0.88	0.93	0.97
0.50	0.50	0.20	0.58	0.67	0.74	0.79	0.85	0.89	0.92	0.96	0.98
	0.30		0.51	0.61	0.68	0.73	0.80	0.85	0.88	0.93	0.96
	0.20		0.47	0.57	0.64	0.69	0.76	0.81	0.85	0.90	0.93
0.30	0.50	0.20	0.56	0.65	0.71	0.76	0.82	0.86	0.88	0.92	0.94
	0.30		0.50	0.60	0.66	0.71	0.78	0.82	0.85	0.89	0.92
	0.20		0.46	0.56	0.62	0.67	0.74	0.79	0.82	0.87	0.90
0.00	0.00	0.00	0.44	0.53	0.59	0.64	0.70	0.75	0.78	0.82	0.85
<p>Rating:17W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.93	0.76	0.64	0.56	0.44	0.37	0.32	0.24	0.20	
	0.30		0.77	0.65	0.56	0.49	0.40	0.34	0.29	0.23	0.19	
	0.20		0.66	0.57	0.50	0.44	0.37	0.31	0.27	0.22	0.18	
0.50	0.50	0.20	0.89	0.72	0.61	0.53	0.42	0.38	0.30	0.23	0.19	
	0.30		0.75	0.63	0.54	0.47	0.38	0.32	0.28	0.22	0.18	
	0.20		0.65	0.55	0.48	0.43	0.35	0.30	0.26	0.21	0.17	
0.30	0.50	0.20	0.86	0.69	0.58	0.50	0.40	0.33	0.28	0.22	0.18	
	0.30		0.73	0.61	0.52	0.46	0.37	0.31	0.26	0.21	0.17	
	0.20		0.64	0.54	0.47	0.42	0.34	0.29	0.25	0.20	0.16	
0.00	0.00	0.00	0.53	0.44	0.37	0.33	0.26	0.22	0.19	0.15	0.12	

Rating:17W Photometrically tested without ceiling board.
 Multiply UF values by service correction factors
 Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.18	0.20	0.20	0.21	0.22	0.23	0.23	0.24	0.24
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.17	0.18	0.19
0.50	0.50	0.20	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.18	0.19
0.30	0.50	0.20	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.18	0.19	0.20
	0.20		0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17	0.18
0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
<p>Rating:17W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	754.6	0.7	0.7	0.04	0.04
1.0-2.0	730.7	2.1	2.8	0.12	0.17
2.0-3.0	732.2	3.5	6.3	0.21	0.37
3.0-4.0	732.3	4.9	11.2	0.29	0.66
4.0-5.0	724.3	6.2	17.5	0.37	1.03
5.0-6.0	727.1	7.6	25.1	0.45	1.49
6.0-7.0	725.4	9.0	34.1	0.53	2.02
7.0-8.0	713.6	10.2	44.3	0.60	2.62
8.0-9.0	710.8	11.5	55.8	0.68	3.31
9.0-10.0	717.0	13.0	68.8	0.77	4.07
10.0-11.0	719.5	14.4	83.2	0.85	4.93
11.0-12.0	713.6	15.6	98.8	0.92	5.85
12.0-13.0	706.4	16.8	115.6	0.99	6.84
13.0-14.0	705.3	18.1	133.6	1.07	7.91
14.0-15.0	702.0	19.3	152.9	1.14	9.05
15.0-16.0	692.5	20.3	173.2	1.20	10.25
16.0-17.0	679.2	21.2	194.3	1.25	11.51
17.0-18.0	657.1	21.7	216.0	1.28	12.79
18.0-19.0	637.8	22.2	238.2	1.31	14.10
19.0-20.0	625.3	22.9	261.1	1.36	15.46
20.0-21.0	605.6	23.3	284.3	1.38	16.84
21.0-22.0	582.7	23.4	307.8	1.39	18.22
22.0-23.0	566.2	23.8	331.5	1.41	19.63
23.0-24.0	557.2	24.4	355.9	1.44	21.07
24.0-25.0	547.7	24.9	380.8	1.47	22.55
25.0-26.0	541.8	25.6	406.4	1.51	24.06
26.0-27.0	537.3	26.3	432.7	1.56	25.62
27.0-28.0	534.1	27.0	459.7	1.60	27.22
28.0-29.0	536.7	28.1	487.8	1.66	28.88
29.0-30.0	536.9	29.0	516.8	1.72	30.60
30.0-31.0	536.1	29.8	546.6	1.77	32.37
31.0-32.0	528.9	30.3	576.9	1.79	34.16
32.0-33.0	517.1	30.5	607.4	1.80	35.97
33.0-34.0	507.2	30.7	638.1	1.82	37.78
34.0-35.0	499.5	31.0	669.1	1.84	39.62
35.0-36.0	491.8	31.3	700.5	1.85	41.48

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	482.7	31.5	731.9	1.86	43.34
37.0-38.0	475.3	31.7	763.7	1.88	45.22
38.0-39.0	467.2	31.9	795.6	1.89	47.11
39.0-40.0	455.7	31.8	827.3	1.88	48.99
40.0-41.0	445.2	31.7	859.1	1.88	50.87
41.0-42.0	435.3	31.6	890.7	1.87	52.74
42.0-43.0	422.3	31.3	922.0	1.85	54.59
43.0-44.0	410.8	31.0	953.0	1.84	56.43
44.0-45.0	402.1	30.9	983.9	1.83	58.26
45.0-46.0	391.8	30.6	1014.5	1.81	60.07
46.0-47.0	378.1	30.1	1044.6	1.78	61.86
47.0-48.0	364.1	29.4	1074.1	1.74	63.60
48.0-49.0	353.3	29.0	1103.1	1.72	65.32
49.0-50.0	342.1	28.5	1131.6	1.69	67.01
50.0-51.0	329.5	27.9	1159.5	1.65	68.66
51.0-52.0	316.5	27.2	1186.6	1.61	70.27
52.0-53.0	301.4	26.2	1212.9	1.55	71.82
53.0-54.0	285.3	25.2	1238.0	1.49	73.31
54.0-55.0	271.6	24.3	1262.3	1.44	74.74
55.0-56.0	261.4	23.6	1285.9	1.40	76.14
56.0-57.0	253.2	23.1	1309.0	1.37	77.51
57.0-58.0	243.3	22.5	1331.5	1.33	78.85
58.0-59.0	228.2	21.3	1352.9	1.26	80.11
59.0-60.0	210.0	19.8	1372.7	1.18	81.28
60.0-61.0	193.4	18.5	1391.2	1.09	82.38
61.0-62.0	185.3	17.9	1409.0	1.06	83.43
62.0-63.0	186.1	18.1	1427.1	1.07	84.51
63.0-64.0	180.5	17.7	1444.9	1.05	85.56
64.0-65.0	162.0	16.0	1460.9	0.95	86.50
65.0-66.0	143.8	14.4	1475.2	0.85	87.35
66.0-67.0	134.5	13.5	1488.8	0.80	88.16
67.0-68.0	131.5	13.3	1502.1	0.79	88.94
68.0-69.0	129.0	13.2	1515.3	0.78	89.72
69.0-70.0	120.7	12.4	1527.7	0.73	90.46
70.0-71.0	109.3	11.3	1539.0	0.67	91.13
71.0-72.0	101.0	10.5	1549.5	0.62	91.75

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	95.9	10.0	1559.5	0.59	92.34
73.0-74.0	89.5	9.4	1568.9	0.56	92.90
74.0-75.0	81.5	8.6	1577.5	0.51	93.41
75.0-76.0	75.3	8.0	1585.5	0.47	93.88
76.0-77.0	69.3	7.4	1592.9	0.44	94.32
77.0-78.0	61.4	6.6	1599.5	0.39	94.71
78.0-79.0	55.6	6.0	1605.4	0.35	95.06
79.0-80.0	51.8	5.6	1611.0	0.33	95.39
80.0-81.0	45.9	5.0	1616.0	0.29	95.69
81.0-82.0	39.2	4.3	1620.2	0.25	95.94
82.0-83.0	34.4	3.7	1624.0	0.22	96.16
83.0-84.0	31.1	3.4	1627.4	0.20	96.36
84.0-85.0	27.8	3.0	1630.4	0.18	96.54
85.0-86.0	24.8	2.7	1633.1	0.16	96.70
86.0-87.0	22.4	2.4	1635.6	0.15	96.85
87.0-88.0	20.2	2.2	1637.8	0.13	96.98
88.0-89.0	18.6	2.0	1639.8	0.12	97.10
89.0-90.0	17.6	1.9	1641.8	0.11	97.21
90.0-91.0	16.7	1.8	1643.6	0.11	97.32
91.0-92.0	16.0	1.8	1645.3	0.10	97.43
92.0-93.0	15.4	1.7	1647.0	0.10	97.53
93.0-94.0	14.7	1.6	1648.6	0.10	97.62
94.0-95.0	14.2	1.5	1650.2	0.09	97.71
95.0-96.0	13.7	1.5	1651.7	0.09	97.80
96.0-97.0	13.3	1.4	1653.1	0.09	97.89
97.0-98.0	12.9	1.4	1654.5	0.08	97.97
98.0-99.0	12.5	1.4	1655.9	0.08	98.05
99.0-100.0	12.2	1.3	1657.2	0.08	98.13
100.0-101.0	11.9	1.3	1658.5	0.08	98.20
101.0-102.0	11.5	1.2	1659.7	0.07	98.28
102.0-103.0	11.2	1.2	1660.9	0.07	98.35
103.0-104.0	10.9	1.2	1662.1	0.07	98.42
104.0-105.0	10.6	1.1	1663.2	0.07	98.48
105.0-106.0	10.3	1.1	1664.3	0.06	98.55
106.0-107.0	10.0	1.1	1665.4	0.06	98.61
107.0-108.0	9.7	1.0	1666.4	0.06	98.67

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	9.4	1.0	1667.4	0.06	98.73
109.0-110.0	9.2	0.9	1668.3	0.06	98.79
110.0-111.0	8.9	0.9	1669.2	0.05	98.84
111.0-112.0	8.6	0.9	1670.1	0.05	98.89
112.0-113.0	8.4	0.8	1670.9	0.05	98.94
113.0-114.0	8.1	0.8	1671.8	0.05	98.99
114.0-115.0	7.9	0.8	1672.6	0.05	99.04
115.0-116.0	7.7	0.8	1673.3	0.05	99.08
116.0-117.0	7.5	0.7	1674.0	0.04	99.13
117.0-118.0	7.2	0.7	1674.7	0.04	99.17
118.0-119.0	7.0	0.7	1675.4	0.04	99.21
119.0-120.0	6.8	0.6	1676.1	0.04	99.25
120.0-121.0	6.6	0.6	1676.7	0.04	99.28
121.0-122.0	6.4	0.6	1677.3	0.04	99.32
122.0-123.0	6.2	0.6	1677.9	0.03	99.35
123.0-124.0	6.1	0.6	1678.4	0.03	99.39
124.0-125.0	5.9	0.5	1679.0	0.03	99.42
125.0-126.0	5.8	0.5	1679.5	0.03	99.45
126.0-127.0	5.7	0.5	1680.0	0.03	99.48
127.0-128.0	5.5	0.5	1680.5	0.03	99.51
128.0-129.0	5.4	0.5	1680.9	0.03	99.53
129.0-130.0	5.3	0.4	1681.4	0.03	99.56
130.0-131.0	5.2	0.4	1681.8	0.03	99.59
131.0-132.0	5.0	0.4	1682.2	0.02	99.61
132.0-133.0	4.9	0.4	1682.6	0.02	99.63
133.0-134.0	4.8	0.4	1683.0	0.02	99.66
134.0-135.0	4.6	0.4	1683.4	0.02	99.68
135.0-136.0	4.5	0.3	1683.7	0.02	99.70
136.0-137.0	4.3	0.3	1684.0	0.02	99.72
137.0-138.0	4.2	0.3	1684.3	0.02	99.74
138.0-139.0	4.0	0.3	1684.6	0.02	99.75
139.0-140.0	3.9	0.3	1684.9	0.02	99.77
140.0-141.0	3.7	0.3	1685.2	0.02	99.78
141.0-142.0	3.6	0.2	1685.4	0.01	99.80
142.0-143.0	3.5	0.2	1685.6	0.01	99.81
143.0-144.0	3.3	0.2	1685.9	0.01	99.83

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	3.2	0.2	1686.1	0.01	99.84
145.0-146.0	3.1	0.2	1686.3	0.01	99.85
146.0-147.0	3.0	0.2	1686.4	0.01	99.86
147.0-148.0	2.9	0.2	1686.6	0.01	99.87
148.0-149.0	2.8	0.2	1686.8	0.01	99.88
149.0-150.0	2.7	0.1	1686.9	0.01	99.89
150.0-151.0	2.6	0.1	1687.1	0.01	99.90
151.0-152.0	2.5	0.1	1687.2	0.01	99.90
152.0-153.0	2.4	0.1	1687.3	0.01	99.91
153.0-154.0	2.3	0.1	1687.4	0.01	99.92
154.0-155.0	2.2	0.1	1687.5	0.01	99.92
155.0-156.0	2.1	0.1	1687.6	0.01	99.93
156.0-157.0	2.0	0.1	1687.7	0.01	99.93
157.0-158.0	1.9	0.1	1687.8	0.00	99.94
158.0-159.0	1.8	0.1	1687.8	0.00	99.94
159.0-160.0	1.7	0.1	1687.9	0.00	99.95
160.0-161.0	1.6	0.1	1688.0	0.00	99.95
161.0-162.0	1.5	0.1	1688.0	0.00	99.95
162.0-163.0	1.4	0.0	1688.1	0.00	99.96
163.0-164.0	1.3	0.0	1688.1	0.00	99.96
164.0-165.0	1.2	0.0	1688.1	0.00	99.96
165.0-166.0	1.1	0.0	1688.2	0.00	99.96
166.0-167.0	1.1	0.0	1688.2	0.00	99.96
167.0-168.0	1.0	0.0	1688.2	0.00	99.97
168.0-169.0	0.9	0.0	1688.2	0.00	99.97
169.0-170.0	0.9	0.0	1688.3	0.00	99.97
170.0-171.0	0.8	0.0	1688.3	0.00	99.97
171.0-172.0	0.8	0.0	1688.3	0.00	99.97
172.0-173.0	0.8	0.0	1688.3	0.00	99.97
173.0-174.0	0.7	0.0	1688.3	0.00	99.97
174.0-175.0	0.7	0.0	1688.3	0.00	99.97
175.0-176.0	0.7	0.0	1688.3	0.00	99.97
176.0-177.0	0.7	0.0	1688.3	0.00	99.97
177.0-178.0	0.7	0.0	1688.3	0.00	99.97
178.0-179.0	0.7	0.0	1688.3	0.00	99.97
179.0-180.0	0.7	0.0	1688.3	0.00	99.97

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G0.0	773.5	773.5	773.5	773.5	773.5	773.5	773.5	773.5	773.5	773.5
G1.0	755.6	703.9	694.5	704.3	714.5	737.5	762.4	804.6	792.6	782.8
G2.0	809.8	722.0	699.4	747.8	746.7	757.9	748.4	696.6	703.5	700.9
G3.0	801.1	782.6	802.2	718.3	719.3	756.6	779.9	695.2	803.8	715.6
G4.0	745.1	683.5	785.8	746.3	778.1	819.6	717.5	795.5	757.2	711.9
G5.0	767.4	718.9	755.0	787.7	819.3	813.1	783.6	782.5	686.0	610.0
G6.0	779.2	823.3	736.1	779.7	790.8	756.2	828.7	735.3	764.1	745.6
G7.0	725.3	753.0	840.5	853.9	846.7	812.8	758.3	744.1	711.3	710.4
G8.0	731.3	717.2	788.9	924.1	842.7	832.1	752.7	731.2	717.9	659.7
G9.0	784.0	723.1	877.7	879.3	953.7	861.0	860.6	762.7	697.0	655.8
G10.0	732.0	816.7	879.3	961.6	949.4	990.9	886.3	773.8	745.1	628.4
G11.0	759.1	781.1	906.8	932.4	929.5	1004.1	903.6	792.7	728.4	736.0
G12.0	784.4	715.4	885.6	912.8	1013.3	990.8	881.3	851.3	721.5	639.8
G13.0	656.1	801.0	822.5	962.8	983.3	1039.0	995.8	775.3	822.3	752.4
G14.0	774.1	843.8	893.5	1009.4	1092.8	976.5	967.2	739.7	657.5	629.9
G15.0	625.7	682.4	959.6	1077.3	1089.8	1030.8	823.5	889.5	796.0	726.7
G16.0	705.0	816.2	884.5	1033.0	1083.3	1085.7	887.5	809.2	658.4	675.4
G17.0	630.0	796.8	796.8	987.9	963.2	1042.7	984.0	776.6	710.0	704.8
G18.0	653.3	684.9	841.9	942.8	963.9	968.5	963.4	864.0	651.8	636.5
G19.0	598.5	782.1	948.4	883.2	1009.5	997.1	906.8	765.1	627.9	658.8
G20.0	598.5	782.6	941.4	915.2	957.8	1053.2	906.0	791.2	587.4	576.2
G21.0	557.6	712.5	859.4	906.6	923.8	1018.7	928.5	793.8	585.5	591.5
G22.0	552.4	680.4	816.7	920.0	1006.5	937.8	904.1	733.5	537.5	558.4
G23.0	507.5	677.7	842.6	973.5	1008.2	928.6	857.5	702.2	525.4	548.1
G24.0	525.0	671.1	833.1	1003.0	976.0	968.2	850.0	673.8	521.2	546.3
G25.0	501.9	708.0	862.6	956.2	905.0	987.1	815.4	704.3	512.5	472.1
G26.0	524.5	728.6	867.3	935.5	886.2	981.8	851.2	719.0	495.5	473.8
G27.0	505.4	710.4	892.6	881.7	844.7	949.0	886.8	732.3	510.9	419.6
G28.0	509.6	752.5	911.1	871.5	855.7	941.5	920.6	724.4	491.7	432.6
G29.0	488.8	776.7	875.8	886.5	934.6	915.5	918.5	769.6	468.1	429.2
G30.0	495.6	765.0	907.5	904.1	903.6	940.4	896.1	781.2	491.6	418.9
G31.0	535.9	769.2	914.0	926.1	869.5	959.1	912.8	785.8	506.6	385.5
G32.0	527.2	754.1	878.4	905.5	891.5	924.4	899.6	796.3	505.9	354.0
G33.0	533.1	750.8	857.0	875.1	916.4	913.1	862.3	770.9	515.4	341.1
G34.0	546.2	764.5	845.7	885.7	907.9	923.5	844.2	768.2	497.6	311.3
G35.0	568.3	742.5	842.8	888.0	855.2	931.3	860.8	767.1	540.2	300.7
G36.0	551.6	725.1	820.5	852.1	879.8	921.3	859.7	769.0	519.3	290.4

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G37.0	529.4	704.6	828.5	852.2	926.2	866.7	832.6	747.0	516.1	278.9
G38.0	542.5	696.0	823.1	853.4	879.2	876.8	850.1	719.1	549.3	259.3
G39.0	493.1	689.0	809.9	831.6	875.4	888.4	836.1	723.7	539.8	248.6
G40.0	499.4	684.6	798.2	822.2	864.8	848.9	819.1	701.9	480.4	257.6
G41.0	482.6	690.3	770.4	810.6	831.0	854.7	803.2	702.8	493.2	239.5
G42.0	455.5	657.2	756.8	774.4	813.0	846.5	773.2	700.6	504.9	237.0
G43.0	458.3	626.8	737.3	758.5	782.1	823.8	766.6	664.7	490.3	223.0
G44.0	422.2	601.4	729.4	742.7	829.7	807.0	749.2	644.8	496.2	208.9
G45.0	397.3	603.9	718.7	753.3	838.1	793.2	735.7	615.9	448.2	201.1
G46.0	403.1	562.6	687.2	773.5	764.7	816.2	731.0	605.2	420.7	185.1
G47.0	379.7	533.4	656.3	721.9	712.2	781.2	707.1	578.4	450.0	172.2
G48.0	349.9	518.5	667.4	723.6	716.4	723.8	687.9	545.9	414.8	179.0
G49.0	346.7	478.4	640.3	718.2	698.3	740.9	695.8	546.2	369.5	161.7
G50.0	325.1	474.8	617.4	671.9	690.8	716.8	698.7	506.2	369.1	144.4
G51.0	308.5	458.2	597.8	656.8	703.7	684.2	652.2	494.2	358.4	127.0
G52.0	282.7	419.7	553.6	659.2	678.3	686.8	619.2	503.6	331.4	103.6
G53.0	254.7	414.4	555.2	647.9	609.5	664.3	578.0	465.2	303.7	89.2
G54.0	239.6	400.3	529.3	600.6	611.1	608.2	551.1	441.2	285.2	83.6
G55.0	226.5	359.3	502.5	601.9	604.7	590.7	549.4	424.9	254.8	66.2
G56.0	205.0	338.1	492.5	592.8	585.4	622.4	546.3	381.5	231.1	51.6
G57.0	176.1	327.0	473.5	582.5	611.5	627.4	526.4	357.1	213.2	41.0
G58.0	160.2	309.8	450.1	559.4	594.7	601.3	503.5	341.8	198.6	32.2
G59.0	135.6	284.2	422.9	519.7	547.1	563.8	477.6	326.5	161.3	26.5
G60.0	114.7	263.9	406.6	479.9	499.4	497.2	454.8	304.6	143.6	19.5
G61.0	92.9	245.8	384.0	446.3	451.7	443.5	451.3	285.1	125.9	15.8
G62.0	82.8	219.3	364.5	469.1	515.0	460.0	411.1	284.1	108.2	14.1
G63.0	64.6	203.6	352.1	520.8	564.2	507.5	397.4	266.6	86.5	12.3
G64.0	51.9	191.0	320.8	483.7	474.9	517.7	387.8	242.1	71.7	10.5
G65.0	39.3	172.6	317.2	395.1	372.4	454.5	356.9	212.6	55.8	9.7
G66.0	26.8	152.4	324.6	344.6	363.5	358.0	355.7	192.1	47.5	9.0
G67.0	23.0	121.2	290.8	347.0	393.8	335.8	356.5	181.6	34.0	8.0
G68.0	20.2	122.7	234.6	391.5	428.1	359.5	326.1	160.8	27.8	7.5
G69.0	18.2	117.6	229.4	388.3	409.1	424.4	253.4	141.5	23.7	7.1
G70.0	16.1	86.6	247.7	331.7	335.3	390.9	244.4	137.4	20.6	6.6
G71.0	14.6	71.3	243.4	287.0	304.3	314.1	269.5	120.5	17.7	6.3
G72.0	13.0	65.0	208.5	278.3	311.3	276.3	285.9	92.2	16.1	6.0
G73.0	11.2	60.6	171.4	299.6	324.1	280.5	238.5	79.4	14.5	5.8

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G74.0	10.8	50.7	171.2	254.0	295.0	293.1	186.3	70.0	13.5	5.5
G75.0	10.1	40.8	170.3	237.1	238.5	280.9	170.8	65.8	12.8	5.3
G76.0	9.6	30.9	145.9	214.5	262.5	232.4	182.5	54.9	12.0	5.2
G77.0	9.1	28.5	110.6	192.3	276.9	205.5	159.9	44.0	11.2	5.2
G78.0	8.7	26.6	103.6	177.8	204.9	209.0	119.7	33.0	10.6	5.0
G79.0	8.4	24.6	100.9	186.1	185.6	195.4	109.8	29.8	10.1	4.8
G80.0	7.9	23.2	81.9	143.2	202.7	169.9	110.3	27.1	9.4	4.6
G81.0	7.5	22.3	64.7	128.2	156.3	153.1	96.2	24.9	8.6	4.5
G82.0	7.2	21.4	58.3	119.9	126.1	119.6	79.2	23.5	7.8	4.4
G83.0	6.9	20.7	51.5	102.6	124.1	107.4	67.7	22.4	7.2	4.1
G84.0	6.6	19.9	44.8	84.8	116.1	97.5	59.7	21.3	6.7	3.9
G85.0	6.3	19.0	38.1	75.2	112.9	77.7	51.8	20.0	6.2	3.5
G86.0	6.1	18.3	35.5	64.7	92.7	73.5	43.8	18.9	5.8	3.5
G87.0	5.8	17.5	33.1	59.5	84.8	66.6	40.2	18.0	5.4	3.4
G88.0	5.6	16.8	31.5	55.1	66.5	58.3	36.5	17.3	5.0	3.1
G89.0	5.4	16.1	30.4	50.7	65.9	55.1	34.0	16.6	4.8	3.0
G90.0	5.1	15.4	29.1	46.4	63.2	52.0	32.2	15.8	4.6	2.8
G91.0	4.9	14.8	28.0	44.4	59.6	48.9	30.9	15.1	4.4	2.7
G92.0	4.6	14.3	27.0	43.2	57.2	47.1	29.2	14.5	4.3	2.6
G93.0	4.4	13.7	26.0	41.9	54.8	45.1	27.8	14.1	4.1	2.5
G94.0	4.0	13.0	25.2	40.1	52.5	42.8	26.7	13.6	4.0	2.5
G95.0	3.4	12.5	24.2	38.4	51.4	41.3	25.9	13.0	3.8	2.4
G96.0	3.3	12.2	23.2	37.6	49.5	40.2	24.9	12.5	3.8	2.3
G97.0	3.3	11.8	22.3	37.0	48.3	39.2	23.8	12.1	3.6	2.2
G98.0	3.2	11.4	21.6	35.7	47.0	37.9	22.8	11.9	3.5	2.2
G99.0	3.2	11.1	20.9	34.7	45.3	36.9	22.0	11.5	3.3	2.1
G100.0	3.2	10.6	20.3	33.9	44.8	35.6	21.3	11.1	3.2	2.1
G101.0	3.2	10.4	19.9	33.2	43.4	34.8	20.6	10.7	3.2	2.0
G102.0	3.2	10.1	19.4	32.0	42.1	33.5	20.0	10.4	3.1	2.0
G103.0	3.2	9.9	18.7	31.5	41.5	32.5	19.3	10.2	3.0	1.9
G104.0	3.2	9.6	18.3	30.9	40.1	31.6	18.6	10.0	2.9	1.9
G105.0	3.1	9.3	17.7	30.0	38.3	30.6	18.0	9.7	2.9	1.8
G106.0	3.0	9.1	17.3	29.1	37.4	29.6	17.4	9.4	2.8	1.8
G107.0	3.0	8.8	16.8	28.2	36.1	29.1	16.9	9.1	2.7	1.8
G108.0	3.0	8.6	16.3	27.4	34.8	28.1	16.3	8.9	2.7	1.7
G109.0	2.9	8.4	15.8	26.5	33.6	27.2	15.8	8.7	2.7	1.7
G110.0	2.9	8.2	15.4	25.7	32.5	26.5	15.3	8.4	2.6	1.7

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G111.0	2.8	8.1	14.9	25.0	31.5	25.5	14.8	8.1	2.6	1.7
G112.0	2.8	7.9	14.4	24.1	30.5	24.7	14.3	7.9	2.5	1.6
G113.0	2.8	7.7	14.1	23.4	29.6	23.8	13.9	7.8	2.5	1.6
G114.0	2.8	7.6	13.8	22.7	28.8	23.1	13.5	7.5	2.5	1.5
G115.0	2.7	7.4	13.3	21.9	28.0	22.3	13.2	7.3	2.4	1.5
G116.0	2.6	7.2	13.0	21.2	27.0	21.5	12.8	7.1	2.4	1.4
G117.0	2.5	6.9	12.7	20.6	26.0	20.9	12.4	6.9	2.3	1.4
G118.0	2.5	6.7	12.4	20.0	25.1	20.3	12.1	6.6	2.3	1.3
G119.0	2.4	6.5	12.1	19.4	24.2	19.6	11.9	6.4	2.2	1.3
G120.0	2.3	6.3	11.7	19.0	23.1	19.1	11.5	6.2	2.2	1.2
G121.0	2.3	6.1	11.5	18.5	22.1	18.6	11.2	5.9	2.1	1.2
G122.0	2.2	5.9	11.3	18.0	21.4	18.0	11.0	5.7	2.0	1.2
G123.0	2.1	5.8	11.1	17.4	20.5	17.5	10.7	5.6	2.0	1.1
G124.0	2.1	5.7	11.0	16.9	19.7	17.0	10.4	5.5	1.9	1.1
G125.0	2.1	5.7	10.9	16.5	18.9	16.5	10.3	5.3	1.9	1.1
G126.0	2.0	5.6	10.7	16.0	18.1	16.1	10.2	5.3	1.8	1.1
G127.0	2.0	5.6	10.5	15.6	17.4	15.7	10.0	5.2	1.8	1.1
G128.0	2.0	5.5	10.2	15.2	16.7	15.3	9.8	5.1	1.8	1.1
G129.0	2.0	5.4	10.0	14.8	16.0	14.9	9.6	5.1	1.8	1.1
G130.0	2.0	5.3	9.7	14.5	15.4	14.6	9.4	5.0	1.8	1.1
G131.0	2.0	5.1	9.4	14.1	14.8	14.3	9.2	5.0	1.8	1.1
G132.0	1.9	4.9	9.2	13.7	14.3	13.9	9.1	4.9	1.8	1.1
G133.0	1.9	4.7	8.9	13.3	13.7	13.5	8.9	4.7	1.7	1.1
G134.0	1.9	4.6	8.6	12.8	13.2	13.1	8.6	4.6	1.7	1.1
G135.0	1.9	4.5	8.2	12.3	12.6	12.6	8.4	4.6	1.7	1.1
G136.0	1.8	4.4	7.9	11.8	12.1	12.2	8.1	4.5	1.7	1.1
G137.0	1.8	4.3	7.7	11.2	11.6	11.6	7.9	4.4	1.6	1.1
G138.0	1.8	4.2	7.4	10.6	11.2	11.0	7.6	4.3	1.6	1.1
G139.0	1.8	4.1	7.2	10.1	10.8	10.5	7.4	4.2	1.6	1.1
G140.0	1.8	4.0	6.9	9.5	10.3	10.0	7.1	4.1	1.6	1.1
G141.0	1.7	3.9	6.6	9.1	9.9	9.5	6.9	4.0	1.6	1.1
G142.0	1.7	3.7	6.3	8.6	9.6	9.0	6.6	3.9	1.5	1.1
G143.0	1.7	3.6	6.1	8.2	9.2	8.6	6.3	3.8	1.5	1.1
G144.0	1.7	3.5	5.8	7.9	8.9	8.2	6.0	3.7	1.5	1.0
G145.0	1.7	3.3	5.6	7.6	8.6	7.8	5.8	3.6	1.5	1.0
G146.0	1.7	3.2	5.3	7.3	8.3	7.4	5.5	3.4	1.4	1.0
G147.0	1.7	3.1	5.2	7.0	7.9	7.1	5.3	3.3	1.4	1.0

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G148.0	1.6	3.0	4.9	6.7	7.6	6.8	5.1	3.2	1.4	1.0
G149.0	1.6	2.9	4.7	6.4	7.3	6.4	4.8	3.1	1.3	0.9
G150.0	1.6	2.8	4.5	6.1	7.0	6.1	4.6	2.9	1.3	0.9
G151.0	1.6	2.7	4.3	5.8	6.7	5.8	4.4	2.8	1.3	0.9
G152.0	1.5	2.5	4.1	5.5	6.3	5.5	4.2	2.7	1.2	0.9
G153.0	1.5	2.4	3.9	5.2	6.0	5.3	4.0	2.6	1.2	0.9
G154.0	1.5	2.3	3.7	4.9	5.6	5.0	3.8	2.5	1.2	0.9
G155.0	1.5	2.2	3.5	4.7	5.3	4.7	3.6	2.4	1.1	0.9
G156.0	1.4	2.1	3.3	4.4	4.9	4.4	3.4	2.3	1.1	0.9
G157.0	1.4	2.0	3.2	4.1	4.6	4.2	3.2	2.2	1.1	0.9
G158.0	1.4	2.0	3.0	3.9	4.3	3.9	3.1	2.1	1.0	0.9
G159.0	1.4	1.9	2.8	3.6	4.0	3.6	2.9	2.0	1.0	0.9
G160.0	1.3	1.8	2.6	3.3	3.7	3.4	2.7	1.9	1.0	0.8
G161.0	1.3	1.7	2.4	3.1	3.4	3.1	2.5	1.8	0.9	0.8
G162.0	1.3	1.6	2.3	2.8	3.1	2.9	2.3	1.7	0.9	0.8
G163.0	1.2	1.5	2.1	2.6	2.8	2.6	2.2	1.6	0.9	0.8
G164.0	1.2	1.5	1.9	2.3	2.5	2.4	2.0	1.5	0.8	0.8
G165.0	1.1	1.4	1.8	2.1	2.3	2.2	1.8	1.4	0.8	0.7
G166.0	1.1	1.3	1.6	1.9	2.0	1.9	1.7	1.3	0.8	0.7
G167.0	1.0	1.2	1.5	1.7	1.8	1.7	1.5	1.3	0.7	0.7
G168.0	1.0	1.2	1.3	1.5	1.6	1.5	1.4	1.2	0.7	0.7
G169.0	1.0	1.1	1.2	1.3	1.4	1.4	1.3	1.1	0.7	0.6
G170.0	0.9	1.0	1.1	1.2	1.2	1.2	1.1	1.0	0.6	0.6
G171.0	0.9	1.0	1.0	1.0	1.1	1.1	1.0	1.0	0.6	0.6
G172.0	0.9	0.9	0.9	0.9	1.0	1.0	1.0	0.9	0.6	0.6
G173.0	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.6
G174.0	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.6	0.6
G175.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.6	0.6
G176.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.6
G177.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.6
G178.0	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
G179.0	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7
G180.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G0.0	773.5	773.5	773.5	773.5	773.5	773.5	773.5			
G1.0	757.6	756.5	709.5	700.6	680.3	713.3	755.6			
G2.0	643.7	775.9	722.0	687.1	680.8	769.5	809.8			
G3.0	667.5	718.4	690.2	664.4	782.3	721.7	801.1			
G4.0	697.7	625.2	701.9	700.2	696.0	652.3	745.1			
G5.0	715.9	635.8	637.1	738.5	595.0	717.8	767.4			
G6.0	658.4	554.8	619.1	689.3	689.8	752.0	779.2			
G7.0	611.8	633.6	554.0	624.8	678.5	652.5	725.3			
G8.0	686.4	619.5	523.7	498.5	613.1	684.2	731.3			
G9.0	612.7	576.8	477.8	470.7	560.3	668.7	784.0			
G10.0	526.5	483.9	424.7	428.5	617.5	677.9	732.0			
G11.0	588.8	385.9	358.8	446.6	577.1	670.7	759.1			
G12.0	630.8	269.3	262.5	436.9	579.8	756.8	784.4			
G13.0	521.0	324.8	187.7	357.8	584.3	686.9	656.1			
G14.0	612.1	307.8	167.6	300.6	566.5	757.6	774.1			
G15.0	529.0	327.4	145.5	246.6	560.8	656.1	625.7			
G16.0	552.5	216.9	185.6	201.6	496.6	701.0	705.0			
G17.0	552.9	170.2	173.0	229.7	562.4	660.9	630.0			
G18.0	477.7	157.2	190.1	178.6	423.7	688.2	653.3			
G19.0	405.9	140.4	153.6	158.4	434.6	653.3	598.5			
G20.0	381.4	134.8	153.4	152.5	346.9	608.1	598.5			
G21.0	286.2	134.8	155.1	158.8	302.9	578.1	557.6			
G22.0	277.4	145.1	145.9	165.0	242.5	529.1	552.4			
G23.0	190.9	151.2	137.5	171.8	206.4	537.2	507.5			
G24.0	156.6	159.1	125.0	186.5	165.0	505.5	525.0			
G25.0	136.1	167.5	112.5	197.1	141.8	480.5	501.9			
G26.0	124.3	168.5	100.1	194.8	136.0	489.9	524.5			
G27.0	127.5	171.0	93.0	200.5	136.4	454.5	505.4			
G28.0	133.2	173.8	85.4	194.1	130.4	447.1	509.6			
G29.0	130.6	171.9	77.2	185.1	128.5	443.0	488.8			
G30.0	126.9	170.2	58.4	173.1	126.7	423.4	495.6			
G31.0	124.3	164.7	51.6	150.6	125.0	391.2	535.9			
G32.0	121.7	143.2	50.2	128.2	123.2	350.5	527.2			
G33.0	119.1	121.8	42.8	105.8	119.6	350.0	533.1			
G34.0	114.3	100.4	30.6	84.5	109.7	301.2	546.2			
G35.0	102.6	80.4	21.2	71.6	100.1	276.8	568.3			
G36.0	91.9	64.6	21.9	53.9	97.3	271.0	551.6			

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G37.0	90.2	54.5	25.3	48.3	89.2	266.3	529.4			
G38.0	79.4	43.2	17.1	35.4	76.3	255.0	542.5			
G39.0	73.1	31.8	12.9	30.2	67.9	243.6	493.1			
G40.0	62.9	28.4	16.5	23.4	59.5	220.1	499.4			
G41.0	56.9	19.2	11.2	16.7	49.9	226.4	482.6			
G42.0	48.8	16.0	10.0	14.2	38.7	225.2	455.5			
G43.0	39.6	12.8	8.9	11.6	32.2	204.9	458.3			
G44.0	31.6	9.6	7.7	9.1	27.0	189.5	422.2			
G45.0	27.2	8.2	6.0	7.9	23.6	184.2	397.3			
G46.0	23.8	7.2	5.6	6.9	19.9	163.2	403.1			
G47.0	19.5	6.3	5.0	6.3	16.8	176.0	379.7			
G48.0	16.0	5.5	4.5	5.6	14.4	156.7	349.9			
G49.0	14.0	5.1	4.2	5.2	13.1	137.5	346.7			
G50.0	12.6	4.8	3.9	4.8	11.8	118.2	325.1			
G51.0	11.1	4.5	3.9	4.6	10.5	97.8	308.5			
G52.0	9.7	4.2	4.2	4.2	9.7	84.4	282.7			
G53.0	8.6	3.9	4.4	3.9	8.9	79.5	254.7			
G54.0	7.7	3.7	4.8	3.8	8.2	60.8	239.6			
G55.0	7.1	3.7	4.4	3.6	7.5	46.1	226.5			
G56.0	6.5	3.9	4.4	3.3	6.8	40.0	205.0			
G57.0	6.0	4.2	4.0	3.1	6.3	30.2	176.1			
G58.0	5.5	4.1	3.3	2.7	5.8	24.6	160.2			
G59.0	5.2	3.8	2.7	2.5	5.4	18.6	135.6			
G60.0	4.9	3.2	2.4	2.2	5.1	15.6	114.7			
G61.0	4.6	2.5	2.3	2.0	4.7	13.9	92.9			
G62.0	4.3	2.2	2.1	1.8	4.4	12.7	82.8			
G63.0	4.1	1.9	1.9	1.6	4.1	11.5	64.6			
G64.0	3.9	1.7	1.7	1.5	3.9	10.3	51.9			
G65.0	3.7	1.5	1.6	1.5	3.7	9.6	39.3			
G66.0	3.5	1.4	1.5	1.4	3.5	8.9	26.8			
G67.0	3.4	1.4	1.4	1.3	3.3	8.3	23.0			
G68.0	3.2	1.3	1.4	1.2	3.2	7.8	20.2			
G69.0	3.1	1.2	1.3	1.1	3.0	7.4	18.2			
G70.0	3.0	1.1	1.2	1.1	2.9	7.1	16.1			
G71.0	2.8	1.0	1.1	1.0	2.8	6.8	14.6			
G72.0	2.7	1.0	1.1	0.9	2.7	6.6	13.0			
G73.0	2.6	0.9	1.0	0.9	2.6	6.5	11.2			

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G74.0	2.5	0.8	0.9	0.8	2.5	6.3	10.8			
G75.0	2.4	0.8	0.9	0.8	2.4	6.0	10.1			
G76.0	2.3	0.8	0.8	0.7	2.3	5.8	9.6			
G77.0	2.2	0.7	0.8	0.7	2.3	5.6	9.1			
G78.0	2.2	0.7	0.8	0.7	2.2	5.3	8.7			
G79.0	2.0	0.7	0.7	0.6	2.2	5.1	8.4			
G80.0	2.0	0.6	0.7	0.6	2.1	4.8	7.9			
G81.0	1.9	0.6	0.7	0.6	2.0	4.5	7.5			
G82.0	1.9	0.6	0.7	0.6	1.9	4.4	7.2			
G83.0	1.8	0.6	0.7	0.5	1.8	4.4	6.9			
G84.0	1.8	0.7	0.7	0.5	1.7	4.0	6.6			
G85.0	1.8	0.7	0.7	0.5	1.7	3.9	6.3			
G86.0	1.8	0.7	0.8	0.5	1.7	4.4	6.1			
G87.0	1.7	0.8	0.8	0.5	1.6	3.5	5.8			
G88.0	1.7	0.7	0.8	0.5	1.6	3.2	5.6			
G89.0	1.5	0.8	0.8	0.5	1.5	3.0	5.4			
G90.0	1.3	0.6	0.7	0.5	1.4	2.9	5.1			
G91.0	1.3	0.4	0.5	0.5	1.4	2.8	4.9			
G92.0	1.2	0.5	0.5	0.5	1.3	2.7	4.6			
G93.0	1.2	0.5	0.5	0.5	1.3	2.6	4.4			
G94.0	1.2	0.5	0.5	0.5	1.3	2.5	4.0			
G95.0	1.1	0.5	0.5	0.5	1.3	2.5	3.4			
G96.0	1.1	0.5	0.5	0.5	1.3	2.4	3.3			
G97.0	1.1	0.5	0.5	0.5	1.3	2.3	3.3			
G98.0	1.1	0.4	0.5	0.5	1.3	2.3	3.2			
G99.0	1.1	0.4	0.5	0.5	1.3	2.2	3.2			
G100.0	1.1	0.4	0.5	0.5	1.3	2.2	3.2			
G101.0	1.1	0.4	0.5	0.5	1.3	2.1	3.2			
G102.0	1.1	0.4	0.5	0.5	1.3	2.1	3.2			
G103.0	1.1	0.4	0.5	0.5	1.3	2.0	3.2			
G104.0	1.1	0.4	0.5	0.4	1.3	2.0	3.2			
G105.0	1.1	0.4	0.5	0.4	1.3	2.0	3.1			
G106.0	1.1	0.4	0.5	0.4	1.3	1.9	3.0			
G107.0	1.1	0.4	0.4	0.4	1.3	1.9	3.0			
G108.0	1.1	0.4	0.4	0.4	1.2	1.9	3.0			
G109.0	1.1	0.4	0.4	0.4	1.2	1.8	2.9			
G110.0	1.1	0.4	0.4	0.4	1.1	1.8	2.9			

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
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 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G111.0	1.1	0.4	0.4	0.4	1.1	1.8	2.8			
G112.0	1.0	0.4	0.5	0.4	1.0	1.7	2.8			
G113.0	1.0	0.4	0.5	0.4	0.9	1.7	2.8			
G114.0	1.0	0.4	0.5	0.4	0.9	1.7	2.8			
G115.0	0.9	0.4	0.5	0.5	0.9	1.6	2.7			
G116.0	0.9	0.4	0.5	0.5	0.9	1.6	2.6			
G117.0	0.9	0.4	0.5	0.5	0.9	1.5	2.5			
G118.0	0.9	0.4	0.5	0.5	0.9	1.5	2.5			
G119.0	0.8	0.5	0.5	0.5	0.9	1.4	2.4			
G120.0	0.8	0.5	0.6	0.5	0.9	1.4	2.3			
G121.0	0.8	0.5	0.6	0.5	0.9	1.4	2.3			
G122.0	0.9	0.5	0.6	0.6	0.9	1.4	2.2			
G123.0	0.9	0.5	0.6	0.6	0.9	1.3	2.1			
G124.0	0.9	0.5	0.6	0.6	0.9	1.3	2.1			
G125.0	0.9	0.6	0.6	0.6	0.9	1.3	2.1			
G126.0	0.9	0.6	0.6	0.6	0.9	1.3	2.0			
G127.0	0.9	0.6	0.6	0.6	0.9	1.3	2.0			
G128.0	0.9	0.6	0.6	0.6	0.9	1.3	2.0			
G129.0	0.9	0.6	0.6	0.6	0.9	1.3	2.0			
G130.0	0.9	0.6	0.7	0.6	0.9	1.3	2.0			
G131.0	0.9	0.6	0.7	0.6	0.9	1.3	2.0			
G132.0	0.9	0.6	0.7	0.6	0.9	1.2	1.9			
G133.0	0.9	0.6	0.7	0.6	0.9	1.2	1.9			
G134.0	0.8	0.6	0.7	0.6	0.9	1.2	1.9			
G135.0	0.8	0.6	0.7	0.6	0.8	1.2	1.9			
G136.0	0.8	0.6	0.7	0.6	0.8	1.2	1.8			
G137.0	0.8	0.6	0.7	0.6	0.8	1.2	1.8			
G138.0	0.8	0.6	0.6	0.6	0.8	1.2	1.8			
G139.0	0.8	0.6	0.6	0.6	0.8	1.1	1.8			
G140.0	0.8	0.6	0.6	0.6	0.8	1.1	1.8			
G141.0	0.8	0.6	0.6	0.6	0.8	1.1	1.7			
G142.0	0.8	0.6	0.6	0.6	0.7	1.1	1.7			
G143.0	0.7	0.6	0.6	0.6	0.7	1.0	1.7			
G144.0	0.7	0.6	0.6	0.6	0.7	1.0	1.7			
G145.0	0.7	0.6	0.6	0.6	0.7	1.0	1.7			
G146.0	0.7	0.6	0.6	0.6	0.7	0.9	1.7			
G147.0	0.7	0.6	0.6	0.6	0.6	0.9	1.7			

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G148.0	0.7	0.6	0.6	0.6	0.6	0.9	1.6			
G149.0	0.7	0.6	0.6	0.6	0.6	0.8	1.6			
G150.0	0.7	0.6	0.6	0.6	0.6	0.8	1.6			
G151.0	0.7	0.6	0.6	0.6	0.6	0.8	1.6			
G152.0	0.7	0.6	0.6	0.6	0.6	0.8	1.5			
G153.0	0.6	0.6	0.6	0.6	0.6	0.7	1.5			
G154.0	0.6	0.6	0.6	0.6	0.6	0.7	1.5			
G155.0	0.6	0.6	0.6	0.6	0.6	0.7	1.5			
G156.0	0.6	0.6	0.6	0.6	0.6	0.7	1.4			
G157.0	0.6	0.6	0.6	0.6	0.6	0.6	1.4			
G158.0	0.6	0.6	0.6	0.6	0.6	0.6	1.4			
G159.0	0.6	0.6	0.6	0.6	0.6	0.6	1.4			
G160.0	0.6	0.5	0.6	0.6	0.6	0.6	1.3			
G161.0	0.6	0.5	0.6	0.6	0.6	0.6	1.3			
G162.0	0.6	0.5	0.6	0.6	0.6	0.6	1.3			
G163.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2			
G164.0	0.6	0.6	0.6	0.6	0.6	0.6	1.2			
G165.0	0.6	0.6	0.6	0.6	0.6	0.6	1.1			
G166.0	0.6	0.6	0.6	0.6	0.6	0.6	1.1			
G167.0	0.6	0.6	0.6	0.6	0.6	0.5	1.0			
G168.0	0.6	0.6	0.6	0.6	0.6	0.5	1.0			
G169.0	0.6	0.6	0.6	0.6	0.6	0.5	1.0			
G170.0	0.6	0.6	0.6	0.6	0.6	0.5	0.9			
G171.0	0.6	0.6	0.6	0.6	0.6	0.5	0.9			
G172.0	0.6	0.6	0.6	0.6	0.6	0.6	0.9			
G173.0	0.6	0.6	0.6	0.6	0.6	0.6	0.8			
G174.0	0.6	0.6	0.6	0.6	0.6	0.6	0.8			
G175.0	0.6	0.6	0.7	0.7	0.7	0.6	0.8			
G176.0	0.6	0.7	0.7	0.7	0.7	0.6	0.8			
G177.0	0.7	0.7	0.7	0.7	0.7	0.7	0.8			
G178.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7			
G179.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7			
G180.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7			

C Plane (°):0.0-360.0: 22.5
 Test Lab: BACL
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device:
 Distance:
 Humidity:
 Inspector: